PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-215045

(43)Date of publication of application : 04.12.1984

(51)Int.Cl. G11B 11/10
C23C 13/08
C23C 15/00
G11B 5/84
H01F 41/14

(21)Application number : 58-088522

(22)Date of filing : 19.05.1983

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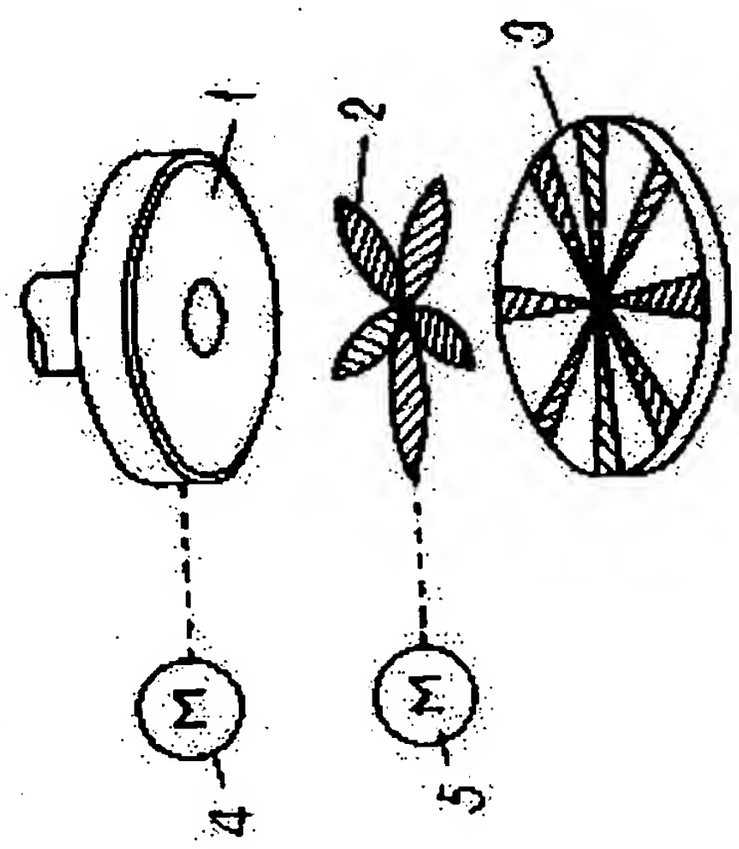
(54) MANUFACTURE OF PHOTOMAGNETIC DISK

(57)Abstract:

PURPOSE: To ensure easily a large recording region by placing a correcting plate between a substrate and an evaporating source in the vacuum vessel of a vapor deposition apparatus and by rotating two or more among the substrate, the evaporating source and the correcting plate at different speeds.

CONSTITUTION: A substrate 1, a correcting plate 2 and an evaporating source 3 are placed in a vacuum vessel. The source 3 is a composite target consisting of a pure iron plate and small chips of gadolinium and terbium on the iron plate. While rotating the target 1 clockwise and the plate 2 counterclockwise, a magnetic film is formed on the substrate 1 by a sputtering method. The distribution of coercive force is made independent of the relative positions of the substrate 1, the plate 2 and the source 3 in the circumferential direction of the substrate, so uniformity in the distribution of coercive force in the circumferential direction is easily ensured, and uniformity in the distribution of coercive force in the radial direction is easily controlled.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]